Food Grade
Biodegradable
Plastic Films & Bags

Vendors and consumers today are more aware of our planet’s growing environmental demands than ever. For the first time, a company’s environmental actions often are part of a consumer’s buying decision.

To meet the needs of our customers and as part of our own internal efforts to minimize our environmental impact, Plascon is proud to offer earth-friendly alternatives to traditional blown plastics - our line of 100% Biodegradable films and bags.

Our innovative and environmentally-safe material has the following advantages:

- Offer the same strength and tensile properties as traditional non-degradable plastics
- Have no toxic by-products
- Do not use heat, light or mechanical stress to break down
- Do not require special handling (unlike PLA and oxo-degradable products)
- Do not contain heavy metals (unlike most oxo-degradable products)
- Formulation meets FDA requirements
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100% Biodegradable
Biodegradation can take place with or without the presence of light, and is metabolized into biomass and humus when it returns to the environment.
- Commercial & Home Composting
- Landfills
- Buried in, or in Contact with the Soil
- Litter
- Erosion / Agriculture Netting & Film

Environmentally Friendly
Not all biodegradable plastics are created equal. Photo-degradable products for example require sunlight and therefore do not degrade properly in landfills. Plastics made with PLA are marketed as “biodegradable”, however fail to biodegrade in landfills, and are very expensive to manufacture.

Indefinite Shelf Life
- No Special Storage Conditions Required
- Does not Degradate from Exposure to Heat, Light, or External Stresses during Storage, Shipping, Handling, or Use

The Science Behind the Technology
What makes our plastic bags and liners biodegradable? An additive is combined with the plastic resin that allows the finished film to biodegrade without affecting the durability and strength of standard non-biodegradable counterparts.

With Plascon Films biodegradable products, you never have to worry about these issues. Our plastics will biodegrade in both aerobic and anaerobic conditions, with or without the presence of light.

How it Works
Biodegradation begins when the plastic comes in contact with the soil. The amount of microbes available in the soil and the soil conditions determine the rate of degradation. Microbes in the soil react with the additive in the plastic, creating enzymes and acids which start the biodegradation, and continues until fully biodegraded.

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Plascon's Biodegradable Films have been tested and proved as biodegradable and safe for the environment by ASTM D5209, ISO 14855 / ASTM D5338 and ASTM 5511 Standard Testing methods. All sorts of factors determine the amount of microbes available in the soil and the soil conditions determine the rate of degradation.